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communication with the reaction wells. The apparatus further includes an inlet port in communication with the pressure chamber for supplying pressurized fluid to the chamber to pressurize the reaction wells. The housing is configured to sustain a pressure substantially above atmospheric pressure.

IN THE CLAIMS:

Please replace claim 1 with the following:

- Q3
1. An apparatus for use in parallel reaction of materials, comprising:
- a base having a plurality of reaction wells formed in an upper surface of the base and extending partially therethrough, each of said reaction wells having a closed lower end defined by the base and an open upper end for receiving components for the reaction;
 - a cover configured for sealing engagement with the base to form a housing enclosing said plurality of reaction wells and defining a common pressure chamber in communication with said plurality of reaction wells; and
 - an inlet port in communication with said pressure chamber for supplying pressurized fluid to said chamber to pressurize said plurality of reaction wells;
- wherein the housing is configured to sustain a pressure substantially above atmospheric pressure.
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Please add new claims 52 and 53:

52. An apparatus for use in parallel reaction of materials, comprising:

a base having a plurality of reaction wells formed therein, each of said reaction wells having a permanently closed lower end and an open upper end for receiving components for the reaction;

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a cover configured for sealing engagement with the base to form a housing enclosing said plurality of reaction wells and defining a common pressure chamber in communication with said plurality of reaction wells; and

an inlet port in communication with said pressure chamber for supplying pressurized fluid to said chamber to pressurize said plurality of reaction wells;

wherein the housing is configured to sustain a pressure above 40 psig.

53. The apparatus of claim 52 further comprising a plurality of vials inserted into said plurality of reaction wells for receiving reaction components.